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Exhibit 300: Capital Asset Summary
Part I: Summary Information And Justification (All Capital Assets)

Section A: Overview & Summary Information

Date Investment First Submitted: 2009-06-30
Date of Last Change to Activities: 2012-07-20
Investment Auto Submission Date: 2012-02-23
Date of Last Investment Detail Update: 2012-02-23
Date of Last Exhibit 300A Update: 2012-03-05
Date of Last Revision: 2012-07-20

Agency: 007 - Department of Defense   **Bureau:** 97 - Department of Defense Agencies

Investment Part Code: 01

Investment Category: 00 - Agency Investments

1. Name of this Investment: GLOBAL COMMAND AND CONTROL SYSTEM- JOINT

2. Unique Investment Identifier (UII): 007-000000881

Section B: Investment Detail

1. **Provide a brief summary of the investment, including a brief description of the related benefit to the mission delivery and management support areas, and the primary beneficiary(ies) of the investment. Include an explanation of any dependencies between this investment and other investments.**

   The Global Command and Control System-Joint (GCCS-J) Program Element funds a Joint Command and Control (JC2) portfolio which includes: GCCS-J, Joint Planning & Execution Services (JPES) and supports the development and sustainment of the JC2 Architecture. GCCS-J is a suite of mission applications/systems that provide critical joint warfighting C2 capabilities by presenting an integrated, near real-time picture of the battle space for planning and execution of joint military and multinational operations. GCCS-J is the Joint C2 System of Record currently consisting of two primary baselines: the Joint Operations Planning & Execution System (JOPES), and GCCS-J Global, which contains Integrated Imagery and Intelligence (I3), Situational Awareness/Common Operating Picture (COP) capabilities, and supporting infrastructure. The Status of Forces & Training System (SORTS) transferred programmatic responsibility from GCCS-J to OSD P&R at the end of FY11. The GCCS-J program at-large is responsible for sustaining current operational baselines, modernizing key capability areas and ensuring synchronization across the Family of Systems (FOS). GCCS-J is used by all nine Combatant Commands (COCOMs) at sites around the world, supporting joint and coalition operations. Additionally, through the continued evolution of the GCCS Family of Systems (FoS), the Services are also utilizing components of the GCCS-J infrastructure to build their Service unique variants thus reducing the number of unique components. JPES produces enhancements to the Joint Operations Planning and Execution

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System (JOPES), focused adaptive planning capabilities, and provides a set of core infrastructure services necessary to provide the warfighter an interoperable environment where functionality can be easily added as mission needs dictate. The Joint C2 Architecture is a reference architecture that aligns to the Department of Defense Information Enterprise Architecture (DoD IEA). It describes architectural concepts, technical constructs, and contains reference information related to the physical, software, information assurance, and data, standards applicable to joint C2 capabilities integration and interoperability. It is designated an authoritative source of information and technical direction for the joint C2 capability area to enable capability investment and modernization planning in support of Department objectives and minimize integration risks as capabilities are developed and deployed.

2. **How does this investment close in part or in whole any identified performance gap in support of the mission delivery and management support areas? Include an assessment of the program impact if this investment isn't fully funded.**

The Joint Warfighter has requirements for effective, reliable, secure, agile, national, and operational command and control and information sharing capabilities and services that adapt to rapidly changing circumstances. GCCS-J provides the Joint Warfighter with secure, interoperable, and responsive operational decision-support data, crisis action planning, contingency planning, modeling & simulation (M&S) capability, data visualization and command and control (C2). The development, integration, and testing of applications and software provides synchronized products and core infrastructure components across the family of systems (FoS), external applications and critical interfaces. Current funding supports procurement of computing systems and related peripheral hardware and software necessary to provide C2 and intelligence systems for the Department of Defense (DoD) and Coalition forces supporting ongoing conflicts and crises. Crisis/conflict activities include but are not limited to Blue/Red Force Tracking for Operation Enduring Freedom (OEF), Operation New Dawn (OND), Operation UNIFIED PROTECTOR (OUP), Operation Noble Eagle in Iraq, Afghanistan, Horn of Africa, and at other sites as directed by United States Central Command (USCENTCOM), US Pacific Command (USPACOM), Synchronized NATO/Coalition Air Picture for Libya Operations and Japanese forces supporting ongoing conflicts and crisis response. Failure to fully fund this portfolio will detrimentally impact multiple combatant commands. Critical C2 mission enhancements supported by the Joint Staff and validated by the Combatant Commands (COCOM)s will not be achieved. Failure to fund these enhancements especially impact USCENTCOM, USEUCOM, and USSOUTHCOM who are using agile client to conduct operations and field exercises. It would result in limited data access and impair their ability to share and visualize data residing on different security domains. These domains were requested by mission operators to support emerging and unanticipated operational needs such as coalition tracks to help reduce friendly force fratricide incidents. Additionally, operations and sustainment cost will continue to increase without planned replacement of more cost effective open source commercial-off-the-shelf (COTS) alternatives. Failure to fund JPES would cause the program to be unable to achieve FOC for Rapid Time-Phased Force Deployment Data (RTPFDD) and the ability to enhance JCRM once it is transitioned to DISA.

3. **Provide a list of this investment's accomplishments in the prior year (PY), including projects or useful components/project segments completed, new functionality added, or operational efficiency achieved.**

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• Executed priority Information Assurance Vulnerability Alerts (IAVAs) • Closed Critical Software Problem Reports impacting operations • Began tech refresh to address COTS end-of-life issues • Provided interface upgrades and critical fixes • Completed 3 Global releases, 2 JOPES releases, and 1 SORTS release • Provided on-site support at key sites: - Coalition and NATO-specific interfaces (CENTCOM, EUCOM and AFRICOM) - Onsite COP and I3 Subject Matter Experts (CENTCOM, AFRICOM, PACOM, USFK and EUCOM) - Hot fixes – display FAA tracks on the COP and access to the new IGC - Addressed interface issues between the two systems and deliver an enhanced air picture at AOC-WS • Joint Command and Control Common User Interface (JC2CUI) - Provided single web entry point - Used agile development process to reduce delivery and test time. • CDS–improved user track picture and associated attributes between domains (25%) • Enterprise COP (ECOP)/Agile client- Sprints underway.

4. **Provide a list of planned accomplishments for current year (CY) and budget year (BY).**

 • Continue planned migration to Net-centric Joint C2 capabilities, sustainment and synchronization of current baselines, and transition from use of stand-alone enclaves to shared enterprise deployments as the JC2 Roadmap is developed. • Sustain the GCCS-J baselines (Global & JOPES) - Global 4.2.0.9   - Global 4.2.0.9 U1 + 3-4 additional Patches, 4.2.0.10, and 4.2.0.11   - JOPES 4.2.0.2 and JOPES 4.2.X, + 3-4 additional Patches • Provide critical operational support for the combatant commands/GCCS-J agile client • Begin work on Global 4.2.1   - Start COTS Technical Refresh to minimize impact of COTS end-of-life issues - Start client consolidation   - Start X86 migration - Continue technical refresh • Continue Adaptive Planning enhancements - Respond to priority Information Assurance Vulnerability Alerts (IAVAs)   - Provide Helpdesk support - Maintain license support and agreements   - Provide commercial software updates   - Install critical patches/updates   - Provide hardware maintenance   - Respond to Critical Software Problem Reports • Maintain interoperability between GCCS-J and the FoS -Integrate External interfaces and Services   -Provide Software fixes,   -Conduct Integration and testing   -Begin integration of Global Force Management Data Initiative (GFM DI) • Modernization and Infrastructure Initiatives: -JC2CUI - provide initial fielding of OWF/ transition framework to PEO GES; Two releases of widgets planned - CDS – Complete of RSC deployment to support CENTCOM - Enterprise COP/Agile client: provide two releases planned for additional plug-ins and system enhancements - Develop, test and release Adaptive Planning enhancements.   - Begin implementation of COTS Alternatives and X86 Migration: Start sequenced open source and x86 migration. The Mar 2011 DoD Analysis of Alternatives (AoA), tasked DoD to produce a roadmap 1QFY12 to implement Joint C2 capability needs defined in the Joint Requirements Oversight Counsel (JROC) approved CDD. The AoA influences FY13/beyond execution. GCCS-J will: •Continue planned migration to Net-centric Joint C2 capabilities, sustainment and synchronization of current baselines, and transition from use of stand-alone enclaves to shared enterprise deployments as the JC2 Roadmap is developed. • Continue to work modernization initiatives as directed by JS/J8 and funding is made available. • Provide 4-Global, 2-JOPES, 2-Joint Command and Control Common User Interface (JC2CUI).

5. **Provide the date of the Charter establishing the required Integrated Program Team (IPT) for this investment. An IPT must always include, but is not limited to: a qualified**

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fully-dedicated IT program manager, a contract specialist, an information technology specialist, a security specialist and a business process owner before OMB will approve this program investment budget. IT Program Manager, Business Process Owner and Contract Specialist must be Government Employees.

1995-10-01

Section C: Summary of Funding (Budget Authority for Capital Assets)

1.

Table I.C.1 Summary of Funding				
	PY-1 & Prior	PY 2011	CY 2012	BY 2013
Planning Costs:	$190.5	$29.2	$56.7	$36.6
DME (Excluding Planning) Costs:	$133.2	$27.7	$42.5	$39.9
DME (Including Planning) Govt. FTEs:	$0.0	$0.0	$0.0	$0.0
Sub-Total DME (Including Govt. FTE):	$323.7	$56.9	$99.2	$76.5
O & M Costs:	$601.7	$138.4	$124.4	$154.6
O & M Govt. FTEs:	$195.6	$65.5	$23.4	$23.2
Sub-Total O & M Costs (Including Govt. FTE):	$797.3	$203.9	$147.8	$177.8
Total Cost (Including Govt. FTE):	$1,121.0	$260.8	$247.0	$254.3
Total Govt. FTE costs:	$195.6	$65.5	$23.4	$23.2
# of FTE rep by costs:	1,659	497	181	169

Total change from prior year final President's Budget ($)		$-19.2	$-86.0	
Total change from prior year final President's Budget (%)		-7.00%	-26.00%	

2. If the funding levels have changed from the FY 2012 President's Budget request for PY or CY, briefly explain those changes:

FY11 reduction of $19.188M reflects a reduction in the actuals for sustainment and personnel support for this initiative within the Air Force and Navy. FY12 reduction of $86.028 reflects a similar change in IT reporting of costs for the Air Force and Navy.

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Section D: Acquisition/Contract Strategy (All Capital Assets)

Table I.D.1 Contracts and Acquisition Strategy												
Contract Type	EVM Required	Contracting Agency ID	Procurement Instrument Identifier (PIID)	Indefinite Delivery Vehicle (IDV) Reference ID	IDV Agency ID	Solicitation ID	Ultimate Contract Value ($M)	Type	PBSA ?	Effective Date	Actual or Expected End Date
Awarded	9700	HC102808D2023	HC102808D2023	9700							
Awarded	9700	HC102808D2023	HC102808D2023	9700							
Awarded	9700	HC102808D2023	HC102808D2023	9700							
Awarded	9700	HC102808D2025	HC102808D2025	9700							
Awarded	9700	HC102808D2025	HC102808D2025	9700							
Awarded	9700	0118	DCA20002A5011	9700							
Awarded	9700	HC104711P4160	HC104711P4160	9700							
Awarded	9700	HC104710C4031	HC104710C4031	9700							
Awarded	9700	HC102808D2016	HC102808D2016	9700							
Awarded	9700	HC102808D2023	HC102808D2023	9700							
Awarded	9700	HC102808D2010VC16	HC102808D2010VC16	9700							
Awarded	9700	HC104711184278	HC104711184278	9700							
Awarded	9700	HC104711P4257	HC104711P4257	9700							
Awarded	9700	HC104710P44006	HC104710P44006	9700							
Awarded	9700	HC104711P4256	HC104711P4256	9700							

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Table I.D.1 Contracts and Acquisition Strategy											
Contract Type	EVM Required	Contracting Agency ID	Procurement Instrument Identifier (PIID)	Indefinite Delivery Vehicle (IDV) Reference ID	IDV Agency ID	Solicitation ID	Ultimate Contract Value ($M)	Type	PBSA ?	Effective Date	Actual or Expected End Date
Awarded	9700	HC104710P0080	HC104710P0080	9700							
Awarded	9700	HC104710P0018	HC104710P0018	9700							
Awarded	9700	HC104711P0030	HC104711P0030	9700							
Awarded	9700	HC104711P4019	HC104711P4019	9700							
Awarded	9700	HC104711P4099	HC104711P4099	9700							
Awarded	9700	HC104711P4206	HC104711P4206	9700							
Awarded	9700	HC104711P4248	HC104711P4248	9700							
Awarded	9700	HC102808D2010	HC102808D2010	9700							
Awarded	9700	HC102808D2010	HC102808D2010	9700							
Awarded	9700	HC102808D2015	HC102808D2015	9700							
Awarded	9700	HC102808D2015	HC102808D2015	9700							

2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:

In accordance with DoD Instruction 5000.02 dated 8 December 2008 (Enclosure 4, table 5), the identified contracts do not meet Federal Acquisition Regulation (FAR) dollar thresholds for requiring use of formal, validated Earned Value Management Systems (EVMS). In order to facilitate improved program and project management, the GCCS-J program does implement/track a tailored subset of earned value concepts that fit within American National Standards Institute (ANSI)/Electronic Industries Alliance (EIA) Standard 748.

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Exhibit 300B: Performance Measurement Report

Section A: General Information

Date of Last Change to Activities: 2012-07-20

Section B: Project Execution Data

Table II.B.1 Projects					
Project ID	Project Name	Project Description	Project Start Date	Project Completion Date	Project Lifecycle Cost ($M)
P0881-101	GCCS-J Sustainment	Provide critical and necessary support activities (e.g., maintaining licenses, commercial software updates, installing patches, hardware maintenance, responding to priority Information Assurance Vulnerability Alerts (IAVAs) and critical Software Problem Reports impacting operations, supporting exercises, updating documentation, and maintaining system security certification and accreditation), hardware and software techical refresh for the deployed system.			
P0881-102	GCCS-J Modernization	Modernization of key Joint Command and Control (JC2) capability areas leveraging new technology and revamping processes. Begin transition from use of local stand-alone enclaves to the implementation of Enterprise services.			
P0881-104	JPES Sustainment	Provide critical and necessary activites (e.g.: software and systems engineering support,			

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Table II.B.1 Projects

Project ID	Project Name	Project Description	Project Start Date	Project Completion Date	Project Lifecycle Cost ($M)
		modernization, integration, testing, operational support and technical services necessary to analyze, design, test, certify & accredit, deploy and maintain quality software) for the Joint Planning and Execution Services (JPES) applications.			
P0881-106	JPES Development	Joint Planning and Execution System (JPES) serves as the material developer of APEX enterprise capabilites in accordance with the Adapative Planning Roadmap II in support of the Joint Planning and Execution Community (JPEC) enterprise capabilities to include complete lifecycle support for development and/or integration of capabilities against validated requirements and net-centric Command and Control (C2) architecture.			

Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

Project ID	Name	Total Cost of Project Activities ($M)	End Point Schedule Variance (in days)	End Point Schedule Variance (%)	Cost Variance ($M)	Cost Variance (%)	Total Planned Cost ($M)	Count of Activities
P0881-101	GCCS-J Sustainment							
P0881-102	GCCS-J Modernization							
P0881-104	JPES Sustainment							
P0881-106	JPES Development							

Key Deliverables

Project Name	Activity Name	Description	Planned Completion	Projected	Actual Completion	Duration	Schedule Variance	Schedule Variance

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			Key Deliverables					
Project Name	**Activity Name**	**Description**	**Planned Completion Date**	**Projected Completion Date**	**Actual Completion Date**	**Duration (in days)**	**Schedule Variance (in days)**	**Schedule Variance (%)**
			Date	**Completion Date**	**Date**	**(in days)**	**(in days)**	**(%)**
P0881-101	GCCS-J Global Releases and Fielding	Two Global releases, Two Global updates, 3-4 additional patches - each at 6 month intervals from the release date. . Planned to target specific AOC fixes to problems identified in current system and provide patches to issues found during initial fielding and operational burn in.	2012-09-30	2012-09-30		363	0	0.00%
P0881-101	GCCS-J Critical Software Problem Support	Global emergency patches address excessive memory consumption when using certain Integrated Intelligence and Imagery (I3) application features and fixes incorrectly formatted missile tracks being transmitted across the topology.	2012-09-30	2012-09-30		363	0	0.00%
P0881-101	JOPES Releases	Two major JOPES releases at 6 month intervals from the release date. Provides security and infrastructure updates and critical fixes to JOPES.	2012-09-30	2012-09-30		363	0	0.00%

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Section C: Operational Data

Table II.C.1 Performance Metrics								
Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency
Operational Support: Unit of measure = percentage. Provide operational support for 100% of the approximately 21 baselines used by GCCS-J community.	Percentage	Technology - Reliability and Availability	Over target	50.000000	50.000000	50.000000	50.000000	Semi-Annual
Provide technical refresh and resolve obsolescence: Unit of measure = percentage. Deploy upgraded hardware and software versions to 100% of the deployed sites/baselines across all GCCS-J products on a yearly basis spread across the FYDP.	Percentage	Customer Results - Service Quality	Over target	20.000000	20.000000	20.000000	20.000000	Semi-Annual
Modernization efforts for Global to continue moving capabilities to an enterprise level (vice local enclaves). Unit of measure = percentage. Deliver 2 sprints/year for JC2CUI, 2 sprints/year for ECOP.	Percentage	Technology - Reliability and Availability	Over target	20.000000	20.000000	20.000000	20.000000	Semi-Annual
Adaptive planning and modernization capabilities enhancements to Joint Operations	Percentage	Customer Results - Customer Benefit	Over target	10.600000	10.600000	10.600000	10.600000	Semi-Annual

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Table II.C.1 Performance Metrics								
Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency
Planning & Execution system (JOPES): Unit of measure = percentage. Provide 100% technical support towards development of applications to support critical adaptive planning spread across the FYDP.								
Operational Support to deployed baselines: Unit of measure = percentage. Provide operational support for 100% of the GCCS-J products and baselines used by the the Joint Commander for secure, interoperable, and responsive operational decision-support data, crisis action planning, contingency planning, modeling & simulation (M&S) capability, data visualization and C2 during current operations.	Percentage	Customer Results - Customer Benefit	Over target	99.000000	99.000000	99.000000	99.000000	Monthly
TBD.	TBD	Process and Activities - Cycle Time and Timeliness	Over target	0.000000	0.000000	0.000000	0.000000	Monthly